

Sent: Thursday, May 11, 2006 5:04 PM

Subject: WIDE OCCURRENCE OF VOC'S IN WELLS

Dear Aquathin Dealer OnLine, Splash NewsBulletin and Allergic Reaction NewsBulletin Members;

The U.S. Geological Survey's (USGS) recent article below is particularly disturbing on two counts: First, the fact that most ground water contains VOC's (Volatile Organic Compounds or Chemicals). These are chemicals with a lower vaporizing point than water such as gasoline additives, dry cleaning fluids and liquified pesticides to name a few. Second point of deep concern, is the "downplay" of this gargantuan event. The USGS notes that even though almost all water supplies contain VOC's, a small percentage exceeds the MCL (Maximum Contaminate Level of acceptance). Common sense tells us that if the VOC wasn't there yesterday, but shows up today, that the chances of it increasing are far better than decreasing.

And in any event, given the opportunity to drink and bath in water containing VOC's "or not", we choose NOT. Aquathin Customers on both well and municipal water enjoy total home VOC free water by way of the Aquathin MegaChar or AquaShield 3000 Series...and of course, your Patented Aquathin RODI Process removes VOC's, along with everything else.

I LOVE MY AQUATHIN ! AND REMEMBER, THE NEXT BEST THING TO OWNING AN AQUATHIN IS RECOMMENDING ONE TO A FRIEND !!

Let me know what you AquathinK !

Warmest regards to all...as well, your comments are always welcome and very much appreciated.

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Alfred J. Lipshultz, President

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[Regulatory Matters - 5/9/2006 2:13:12 PM](#)

## Wide occurrence of VOCs in wells, USGS says

WASHINGTON — There is a "widespread occurrence" of volatile organic compounds (VOCs) in US aquifers and a "vulnerability of many of the Nation's aquifers to low-level VOC contamination," says a new [study](#) by the [US Geological Survey \(USGS\)](#), the earth sciences research branch of the federal Department of the Interior.

The study was based on water samples taken in 1985-2001 from 2,400 domestic wells and 1,100 public-supply wells distributed randomly across wide areas of the US.

Although the presence of VOCs was geographically broad, most of the measured VOC concentrations were low, with most at levels less than 1 part per billion (ppb), according to the USGS report.

Despite the many low-level VOC measurements, USGS officials have said VOCs are an important group of contaminants to monitor and manage because they tend to persist in the environment, migrate to drinking water wells, are potential carcinogens, and can change the taste and odor of water.

The study said that public wells are more vulnerable to low-level VOC contamination than domestic wells (possibly due to the public wells' proximity to urban areas) and that chloroform — a byproduct of chlorination and used as a solvent and extractant — was the most frequently detected VOC in all types of wells.

VOCs include a wide variety of substances and products, from gasoline and its chemical components to solvents, plastics, paints and adhesives.

The most frequently detected VOCs included seven solvents, four types of trihalomethanes (such as chloroform), two refrigerants, one gasoline oxygenate (methyl *tert*-butyl ether, or MTBE) and one gasoline hydrocarbon (toluene), the study said.

USGS said that only about 1 to 2 percent of the well samples raised concerns about human health — that is, had VOC concentrations in excess of US Environmental Protection Agency maximum contaminant levels (MCL) or, for substances without an MCL, above the health-based screening level (HBSL).

Most of the VOC concentrations "of potential concern" to human health involved the pest-control chemical DBCP (dibromochloropropane) in private wells and the solvents PCE (perchloroethene) and TCE (trichloroethene) in public and private wells, the report said.

To read the full report, click [here](#).